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Progress in Irrigation.

The progress in agriculture in the arid states and territories during the decade ending with 1899 is shown in the report just published by the division of agriculture of the twelfth census. As this progress is attributable largely to irrigation, the statistics relating thereto are of general interest.

The number of irrigators in the United States in 1899, not including irrigators of rice, was 108,218, an increase in ten years of 99.9 per cent. The area irrigated was 7,539,545 acres an increase of 107.06 per cent. Of this area 5,944,412 acres were in crops and 1,595,133 acres in pasture and unmaturing crops. The cost of irrigation systems in operation, exclusive of those in rice plantations, was \$67,770,942, while the value of the irrigated crops was \$86,850,491.

The total length of all the main ditches in all the arid and semi-arid states and territories was 44,149 miles.

The average number of irrigated acres in farms in arid states and territories was 71, the average value of irrigated land per acre \$42.53, the average value of crops produced on irrigated land \$14.81, the average first cost of water \$7.80, the average annual cost of maintenance \$0.58.

Of the 5,711,965 acres in crops hay and forage occupied 3,665,654, or 64.2 per cent; cereals 1,399,709, or 24.5 per cent; vegetables 168,432, or 2.9 per cent; orchard fruits 251,289, or 4.4 per cent; other crops 226,881 or 4.0 per cent. The value of the hay and forage was \$34,834,966, cereals \$14,338,326, vegetables \$9,627,491, orchard fruits \$8,920,409, other crops, including sub-tropical fruits, grapes, flowers, plants, sugar beets, etc., \$16,712,246.

In Arizona the number of irrigators increased from 1,075 in 1889 to 2,981 in 1899, or 177.3 per cent, and the number of acres irrigated from 65,621 to 185,396, or 181.7 per cent. The average value of farm land per acre was \$5.74, of irrigated land \$43.50. The ditches in operation in 1899 had a length of 1,492 miles, cost \$4,408,153, and irrigated 184,422 acres. There were 974 acres irrigated from wells. The irrigated area in crops was 137,233 acres, yielding products valued at \$2,250,519. The area irrigated in pasture and immature crops was 48,163 acres.

Shortly after sending the irrigation bill to the President con-

gress passed a resolution authorizing the director of the census to compile statistics relating to irrigation for the crop year of 1902. With the data now assembled, this work will be comparatively simple, most of it being done by correspondence. To secure this information inquiries will soon be sent out to irrigators throughout the United States. The co-operation of those interested in irrigation is earnestly solicited for upon their prompt response will depend very largely the value of these statistics. This is in part a supplementary work, the results of which will be utilized in the work soon to be undertaken by the Department of the Interior under the provisions of the irrigation bill.

Tempe Normal

The next term's work of the Tempe normal school will begin Tuesday, September 2. Students who have completed the eighth grade work will be admitted to the normal courses without examination.

The ladies' dormitory will be completed about September 15, and it is estimated that the cost of board and room will not exceed \$15 per month. Temporary arrangements will be made for the accommodation of the lady students with private families until the dormitory is completed.

Students who expect to attend the normal can secure a rate of half fare on all the railroads of the territory by making application to the principal at least ten days in advance.

The diplomas of the Tempe normal school now receive full recognition in the state of California, as shown by the following notification recently received from the state board of education of that state.

Sacramento, Cal., Jan. 18, 1902.

To whom it may concern: In pursuance of section 1755 of the political code of the state of California, the state board of education, at a meeting held January 18, 1902, recommends the Tempe normal school of Arizona as being of equal rank with the state normal schools of California, and holders of the highest grade diplomas issued by said normal school may be granted the grammar school certificate of California by county or city and county boards of education without examination, as provided by the section of the law above referred to.—THOMAS J. KIRK, Superintendent of public instruction,

secretary state board of education.

Address all communications relating to rates, entrances, etc., to A. J. Matthews, principal, Tempe, Arizona.

Reclaiming the Desert.

Another large area of public land has been withdrawn from public entry, this time in southern Arizona, from Needles down to the Mexican line and along the Colorado river. It is expected that the government will undertake some irrigation enterprises at this point in the near future. The country is strictly desert, but those small portions of it that have already been irrigated give bountiful crops in return.

New Things at Grand Canyon

A few years ago the Grand Canyon of Arizona was two days' journey from the nearest railway, and the few venturesome visitors who went there had to sleep in log cabins and tents. Today the Santa Fe runs daily trains to the rim, a hundred room hotel is to be built soon, and now an enterprising editor announces that he will start a daily paper there. Thus does the old become new.

Men and women change their notions. If they didn't there would be no divorce suits and no remarriages.

"Ma," said a newspaper man's son, "I know why editors call themselves 'we.'" "Why?" "So's the man that doesn't like the article will think there are too many people for him to tackle."

Just Look at Her.

Whence came that sprightly step, faultless skin, rich, rosy complexion, smiling face. She looks good, feels good. Here's her secret. She uses Dr. King's New Life Pills. Result—all organs active, digestion good, no headaches, no chance for "blues." Try them yourself. Only 25c at F. J. Watron's drug store.

Reduced Rates.

Summer excursions to Denver, dates of sale June 20, July 4-11-18-25, August 1-8-15-22-29; final return limit 90 days after date of sale; stopovers will be granted on both going and return trip. \$55. for the round trip. Tickets must be executed at destination on day of departure, returning.

The sale of excursion tickets to California points and return is authorized as follows:

For sale every Tuesday, Thursday and Saturday during the months of May, June, July, August and September, 1902.

Transit limits, continuous

passage east of Barstow in each direction.

Stop overs within final limit will be granted either east or west bound at Barstow and points west or south thereof.

Final limit rates, November 30, 1902. San Francisco via Bakersfield or Los Angeles, \$55.00. Los Angeles, Redondo, \$35.00. Santa Monica, Long Beach, East San Pedro, via Los Angeles \$35.00. San Diego, Coronado Beach \$35.00.

Rates to Avalon, Catalina Island and return, \$37.25.

C. H. Brown,
Agent.

Notice to Tax Payers.

The owners of the property heretofore mentioned in the proceedings of this Board of Equalization and all who are interested therein, are hereby notified that said board will meet at the office of the Board of Supervisors, in the Court House of Navajo County, Territory of Arizona, at nine o'clock in the forenoon of the third Monday in August (the 18th) 1902, at which time and place they will take up, consider and determine whether the assessments heretofore and above specified, shall be increased, when and where you can be present with such witnesses as you may bring, and will be given a hearing. These assessments will be taken up and considered in the order as they appear above, unless for good cause first shown, the time is extended in any case.

Done in compliance with Par. 3869, Sec. 39, R. S. Arizona, 1901.

A. F. McALLISTER,
Clerk of Board of Supervisors.

NOTICE OF RE-REGISTRATION.

The following resolution was adopted by the Board of Supervisors of Navajo county, Arizona, at a regular meeting of the Board, held April 8, 1902:

It appearing to the Board that it is necessary for a re-registration of the voters of Navajo county, Arizona; and on motion duly seconded and carried, it is hereby ordered that a re-registration of the voters of Navajo county, Arizona, be made for the next general election to be held on the first Tuesday after the first Monday in November, 1902.

L. E. DIVELBESS,
Chairman.

Attest:

A. F. McAllister, Clerk.

For Sale.

One band good stock sheep.
Address, J. H. FRISBY, Snowflake, Arizona. 34

Artistic job printing promptly executed at the ARGUS office.